

GenCore version 4.5  
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OM protein - protein search, using sw model

Run on: June 18, 2001, 15:34:07 ; Search time 78.57 Seconds  
(without alignments)  
360.357 Million cell updates/sec

Title: US-09-653-755a-5

Perfect score: 1121

Sequence: 1 ENVLQSPAIMSASPGKAVT.....EATHTKTSPIYKSNRNEC 214

Scoring table:  
BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 425026 seqs, 132305027 residues

Total number of hits satisfying chosen parameters: 425026

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Maximum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

1: SP:PREMBL\_16:\*  
2: sp.archaea:\*  
3: sp.bacteria:\*  
4: sp.fungi:\*  
5: sp.human:\*  
6: sp.invertebrate:\*  
7: sp.mammal:\*  
8: sp.mhc:\*  
9: sp.organelle:\*  
10: sp.phage:\*  
11: sp.plant:\*  
12: sp\_rodent:\*  
13: sp\_unclassified:\*  
14: sp\_virus:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	881	78.6	214	11 09RLA5	09RLA5 mus musculi
2	427.5	38.1	106	5 09UL10	09UL10 schistosoma
3	415	37.0	97	11 09UL76	09UL76 mus musculi
4	392	35.0	101	11 09UL78	09UL78 mus musculi
5	369.5	33.0	109	4 09UL78	09UL78 homo sapien
6	351	31.3	108	4 09UL77	09UL77 homo sapien
7	348.5	31.1	109	4 09UL86	09UL86 homo sapien
8	346	30.9	108	4 09UL70	09UL70 homo sapien
9	345.5	30.8	109	4 09UL85	09UL85 homo sapien
10	343	30.6	108	4 09UL79	09UL79 homo sapien
11	341.5	30.5	107	4 09UL81	09UL81 homo sapien
12	341	30.4	108	4 09UL83	09UL83 homo sapien
13	340	30.3	298	11 09ULF0	09ULF0 mus musculi
14	307	27.4	107	11 09UL84	09UL84 mus musculi
15	298	26.6	99	11 09UL74	09UL74 mus musculi
16	291	26.0	107	11 09ER29	09ER29 mus musculi
17	285	25.4	103	11 09UL80	09UL80 mus musculi
18	278.5	24.8	104	11 09UL82	09UL82 mus musculi
19	267	23.8	114	4 09UL80	09UL80 homo sapien

20	262	23.4	109	6 09N0M5	09N0M5 oryctolagus
21	237.5	21.2	107	4 09NSD6	09NSD6 homo sapien
22	229	20.4	107	4 09UL82	09UL82 homo sapien
23	204.5	18.2	267	13 090529	090529 ginglymosto
24	204	18.2	509	11 090X57	090X57 mus musculi
25	204	18.2	513	11 P97797	P97797 mus musculi
26	203	18.1	503	4 P78324	P78324 homo sapien
27	199	17.8	268	13 090524	090524 ginglymosto
28	198	17.7	504	4 09UL06	09UL06 homo sapien
29	197.5	17.6	109	11 09ER13	09ER13 mus musculi
30	195	17.4	398	4 000241	000241 mus musculi
31	194.5	17.4	372	4 09Y4V0	09Y4V0 homo sapien
32	193.5	17.3	372	4 09Y4V0	09Y4V0 homo sapien
33	192.5	17.2	361	4 09H1U5	09H1U5 homo sapien
34	190.5	17.0	437	11 09RLA4	09RLA4 mus musculi
35	189	16.9	509	11 09WMT4	09WMT4 mus musculi
36	187.5	16.7	509	11 P97710	P97710 rattus norv
37	183	16.3	257	13 090536	090536 ginglymosto
38	182.5	16.3	418	11 070426	070426 rattus norv
39	182.5	16.3	509	11 090M15	090M15 rattus norv
40	178	15.9	416	4 09NPP6	09NPP6 homo sapien
41	178	15.9	684	13 090544	090544 ginglymosto
42	177.5	15.8	354	4 09PIW8	09PIW8 homo sapien
43	177.5	15.8	354	4 09NOK8	09NOK8 homo sapien
44	173	15.4	324	4 09Y4U9	09Y4U9 homo sapien
45	172.5	15.4	237	13 090545	090545 ginglymosto

#### ALIGNMENTS

RESULT 1  
09RLA5 PRELIMINARY; PRT; 214 AA.

AC 09RLA5;  
DT 01-MAY-2000 (TREMBLrel. 13, Created)  
DT 01-MAY-2000 (TREMBLrel. 13, Last sequence update)  
DT 01-MAR-2001 (TREMBLrel. 16, Last annotation update)  
DE KAPPA LIGHT CHAIN OF MAB7 (FRAGMENT).  
OS Mus musculus (Mouse).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus.  
OX NCBI\_Taxid=10090;

RN [1]  
RP SEQUENCE FROM N.A.  
RA Wilde K.G., Yu X., Ekramoddoullah A.K.M., Misra S.;  
RT "Cloning of cDNAs encoding for anti-white pine blister rust monoclonal  
RT antibody (Mab 7, its light and heavy chains) and construction of a  
RT single chain antibody (scFv).";  
RL Submitted (MAR-1999) to the EMBL/GenBank/DDBJ databases.

DR EMBL; AF152371; AAD40242.1; -;  
DR HSSP; P01789; IMCP.  
DR Interpro; IPR003606; -;  
DR Interpro; IPR003600; -;  
DR Pfam; PF00047; Ig; 2.  
DR PROSITE; PS00290; IG\_MHC; UNKNOWN\_1.  
DR SMART; SM00410; IG\_Like; 1.  
FT NON\_TER 1  
FT NON\_TER 1  
SQ SEQUENCE 214 AA; 23922 MW; 52BAZ05FDE935EZA CRC64;

Query Match 78.6%; Score 881; DB 11; Length 214;  
Best local similarity 80.2%; Pred. No. 3.2e-70;  
Matches 170; Conservative 13; Mismatches 27; Indels 2; Gaps 2;

QY 4 LTQSPAIMSASPGKAVTCTCRASSVSSSYLHWKRSKSGASPKIMITYSTSLASGVARF 63  
DB 4 LTQSPSSMYSLVGERVITTCASQDI-NSYLSWFOQRGSKPKTLIRANLVGVSVSRF 62  
QY 64 SGSSSGSYSLTSSVSAEDATYCCQYSGYR-TFGSGTKLETKRDAAPTVSIFPPSS 122  
DB 63 SGSSSGQDYSILTSSLEVEDMGITYCCQYDEFPFTFGSGTKLETKRDAAPTVSIFPPSS 122

QY 123 EQLTSGASVYCEFLNNEYPREDINVKRKIDGSEKONGVLSWTDSDKSTYSNSTLTLT 182  
 DB 123 EQLTSGASVYCEFLNNEYPREDINVKRKIDGSEKONGVLSWTDSDKSTYSNSTLTLT 182  
 QY 183 KDEYERHNSTYCEATHKTSSTSPVKSFNREC 214  
 DB 183 KDEYERHNSTYCEATHKTSSTSPVKSFNREC 214

## RESULT 2

Q9U410 PRELIMINARY: PRT; 106 AA.

AC 09U410; PRELIMINARY: PRT; 106 AA.  
 DT 01-MAY-2000 (Tremblrel. 13, Created)  
 DT 01-MAY-2000 (Tremblrel. 13, Last sequence update)  
 DE 01-MAR-2001 (Tremblrel. 16, Last annotation update)  
 DE MONOCLONAL ANTI-IDIOCYTIC ANTIBODY NP30 IMMUNOGLOBULIN LIGHT CHAIN  
 DE VARIABLE REGION (FRAGMENT).  
 OS Schistosoma japonicum (Blood fluke).  
 OC Eukaryota; Metazoa; Platyhelminthes; Rhabditophora; Neodermata;  
 OC Trematoda; Digenea; Strigeidae; Schistosomatidae; Schistosomatidae;  
 OC Schistosoma.  
 NCBI\_Taxid=6182;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RA Song X.T., Feng Z.Q., Qiu Z.N., Li Y.Q., Huang H.L., Guan X.H.;  
 RT "Amplification, cloning and sequence analysis of the light chain  
 RT variable region gene of monoclonal anti-idiotypic antibody NP30 of  
 RT Schistosoma japonicum".  
 RL Submitted (NOV-1999) to the EMBL/Genbank/DBJ databases.  
 CC -1- SIMILARITY: TO IMMUNOGLOBULIN AND MAJOR HISTOCOMPATIBILITY COMPLEX  
 CC DOMAIN.  
 CC EMBL: AF207620; AAF19434.1; -.  
 DR HSSP: P01679; 2FBI.  
 DR InterPro: IPR000308; -.  
 DR InterPro: IPR003006; -.  
 DR InterPro: IPR003596; -.  
 DR Pfam: PF00047; 1q; 1.  
 DR ProDom: PD000600; -; 1.  
 DR SMART: SM00406; IGV; 1.  
 FT NON\_TER 1  
 FT NON\_TER 106  
 SQ SEQUENCE 106 AA; 11478 MW; F20F544426BAE63E CRC64;

Query Match 38.1%; Score 427.5; DB 5; Length 106;  
 Best Local Similarity 79.6%; Pred. No. 1.4e-30;  
 Matches 86; Conservative 9; Mismatches 10; Indels 3; Gaps 2;

QY 1 ENVLTPAIPMSAPGKVTMTCRASSSVSSSYLHMYRQKSGASPRLWYSTSNIASGVP 60  
 DB 1 ENVLTPAIPMSAPGKVTMTCRASSSVSSSYLHMYRQKSGASPRLWYSTSNIASGVP 58  
 QY 61 ARPSGSGSTISLTISVYEDATATYCOQYSGY-RTGGGKLEIK 107  
 DB 59 VEPSSGSGSTISLTISVYEDATATYCOQYSGY-RTGGGKLEIK 106

## RESULT 3

Q9UJ76 PRELIMINARY: PRT; 97 AA.

AC 09UJ76; PRELIMINARY: PRT; 97 AA.  
 DT 01-OCT-2000 (Tremblrel. 15, Created)  
 DT 01-OCT-2000 (Tremblrel. 15, Last sequence update)  
 DE 01-MAR-2001 (Tremblrel. 16, Last annotation update)  
 DE ANTI-MYOSIN IMMUNOGLOBULIN LIGHT CHAIN VARIABLE REGION (FRAGMENT).  
 OS Mus musculus (Mouse).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.  
 NCBI\_Taxid=10090;  
 RN [1]  
 RP SEQUENCE FROM N.A.

RC STRAIN-DBA/2;  
 RA Maixiel S., Liao L., Cunningham M.W., Diamond B.;  
 RT "Characterization of cross-reactive monoclonal anti-myosin/anti-n-  
 RT acetyl-glucosamine antibodies from mice with autoimmune myocarditis."  
 RL Submitted (NOV-1999) to the EMBL/Genbank/DBJ databases.  
 DR EMBL: AF206030; AAF69328.1; -.  
 DR InterPro: IPR003006; -.  
 DR InterPro: IPR003596; -.  
 DR Pfam: PF00047; 1q; 1.  
 DR SMART: SM00406; IGV; 1.  
 FT NON\_TER 1  
 FT NON\_TER 97  
 SQ SEQUENCE 97 AA; 10542 MW; C9E1FPE1F49DA1C CRC64;

Query Match 37.0%; Score 415; DB 11; Length 97;  
 Best Local Similarity 83.8%; Pred. No. 1.5e-29;  
 Matches 83; Conservative 6; Mismatches 6; Indels 4; Gaps 2;

QY 11 MSASPGKVTMTCRASSSVSSSYLHMYRQKSGASPRLWYSTSNIASGVPARFSGSGST 70  
 DB 1 LSASPGKVTMTCRASSSVSSSYLHMYRQKSGASPRLWYSTSNIASGVPARFSGSGST 58  
 QY 71 SYSLTISVYEDATATYCOQYSGY-RTGGGKLEIK 107  
 DB 59 SYSLTISVYEDATATYCOQYSGY-RTGGGKLEIK 97

## RESULT 4

Q9UJ78 PRELIMINARY: PRT; 101 AA.

AC 09UJ78; PRELIMINARY: PRT; 101 AA.  
 DT 01-OCT-2000 (Tremblrel. 15, Created)  
 DT 01-OCT-2000 (Tremblrel. 15, Last sequence update)  
 DE 01-MAR-2001 (Tremblrel. 16, Last annotation update)  
 DE ANTI-MYOSIN IMMUNOGLOBULIN LIGHT CHAIN VARIABLE REGION (FRAGMENT).  
 OS Mus musculus (Mouse).  
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.  
 NCBI\_Taxid=10090;  
 RN [1]  
 RP SEQUENCE FROM N.A.  
 RA Maixiel S., Liao L., Cunningham M.W., Diamond B.;  
 RT "Characterization of cross-reactive monoclonal anti-myosin/anti-n-  
 RT acetyl-glucosamine antibodies from mice with autoimmune myocarditis."  
 RL Submitted (NOV-1999) to the EMBL/Genbank/DBJ databases.  
 DR EMBL: AF206028; AAF69326.1; -.  
 DR InterPro: IPR003006; -.  
 DR InterPro: IPR003596; -.  
 DR Pfam: PF00047; 1q; 1.  
 DR SMART: SM00406; IGV; 1.  
 FT NON\_TER 1  
 FT NON\_TER 101  
 SQ SEQUENCE 101 AA; 10778 MW; 0A7F65E6A7E6F14D CRC64;

Query Match 35.0%; Score 392; DB 11; Length 101;  
 Best Local Similarity 77.8%; Pred. No. 1.7e-27;  
 Matches 77; Conservative 8; Mismatches 12; Indels 2; Gaps 1;

QY 11 MSASPGKVTMTCRASSSVSSSYLHMYRQKSGASPRLWYSTSNIASGVPARFSGSGST 70  
 DB 3 MASASPGKVTMTCRASSSVSSSYLHMYRQKSGASPRLWYSTSNIASGVPARFSGSGST 62  
 QY 71 SYSLTISVYEDATATYCOQYSGY-RTGGGKLEIK 107  
 DB 63 SYSLTISVYEDATATYCOQYSGY-RTGGGKLEIK 101

RESULT 5  
 Q9UJ78 PRELIMINARY: PRT; 109 AA.

Query Match	33.0%	Score 369.5;	DB 4;	Length 109;
Best Local Similarity	66.1%	Pred. No. 1.8e-25;		
Matches 72; Conservative	14;	Mismatches 22;	Indels 1;	Gaps 1

RESULT	6
Q9UL77	
ID	Q9UL77
PRELIMINARY;	
PRT;	108 AA

DT	01-MAY-2000 (TREMBLrel. 13, Created)
DT	01-MAY-2000 (TREMBLrel. 13, last sequence update)
DT	01-MAR-2001 (TREMBLrel. 16, last annotation update)
DE	MOSIN-REACTIVE IMMUNOGLOBULIN LIGHT CHAIN VARIABLE REGION (FRAGMENT).
OS	Homo sapiens (human).
OC	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC	Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.
OX	NCBI_TaxId=9606;
RN	[1]
RP	SEQUENCE FROM N.A.
RX	MEDLINE=98277139; PubMed=9614934;
RA	Wu X., Liu B., Van der Werwe P.L., Kallis N.N., Berney S.M.,
RA	Young D.C.;
RT	"Mosin-Reacttive autoantibodies in rheumatic carditis and normal
RT	fetus.";
RL	Clin. Immunol. Immunopathol. 87:184-192(1998).
CC	-I- SIMILARITY: TO IMMUNOGLOBULIN AND MAJOR HISTOCOMPATIBILITY COMPLEX
CC	DOMAIN.
DR	EMBL; AF035037; AAD56273.1; -.
DR	HSSP; P01607; IREI.
DR	InterPro; IPR003006; -.
DR	InterPro; IPR003596; -.
DR	Pfam; PF00047; Ig. 1.
DR	SMART; SM00406; Igv. 1.
FT	NON_TER 1
FT	NON_TER 108 108 1

Query Match	31.3%	Score 351	DB 4	Length 108
Best Local Similarity	66.0%	Pred. No. 7.7e-24		
Matches 70	Conservative 18	Mismatches 16	Indels 2	Gaps 2

QY 64 SGGSGSTSYSLTSSVEADPATYYCQ-YSGYRTFGGCKLEIKR 108  
 |||||::|||::||||| |||||::|||  
 Db 63 SGGSGSTDFLTLLSSLPEDFATYYCQSYSTSWTFEGGKVEIKR 108

DT	01-MAY-2000 (TREMblrel. 13, last sequence update)
DT	01-MAR-2001 (TREMblrel. 16, last annotation update)
DE	MOSIN-REACTIVE IMMUNOGLOBULIN HEAVY CHAIN VARIABLE REGION (FRAGMENT)

RX MEDLINE=98277139; PubMed=9614934;  
RA Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M.,  
RA Young D.C.;

```
DR EMBL; AF035028; AAD56264.1; -.
DR HSSP; P01789; 1MCP.
DR InterPro; IPR003006; -.

```

Query Match	31.1%	Score 348.5	DB 4	Length 109
Best Local Similarly	63.3%	Pred. No. 1.3e-23		
Matches 69	Conservative 15	Mismatches 24	Indels 1	Gaps 1

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Qy      61 ARFSGSGCTSYSLTSSVEAEDATYYCOOY-SGYRTFGGKTLEIKR 108
        ||||| |::||| | | | | | | | | | | | | | | | | | |
Db      61 DRFSGSGSETFLTLISRLPEDEFAVYYCOOYSSIFTFGPGTKVDIKR 109
```

DE	MYOSIN-REACTIVE IMMUNOGLOBULIN LIGHT CHAIN VARIABLE REGION (FRAGMENT)
DT	01-MAR-2001 (TrEMBLrel. 16, last annotation update)
DF	01-MAY-2000 (TrEMBLrel. 13, last sequence update)

OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi  
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

OX NCBI\_TaxID=9606;  
RN [1]  
RP SEQUENCE FROM N.A.  
RX MEDLINE=98277139; PubMed=9614934;  
RA Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M.,  
RT "Myosin-reactive autoantibodies in rheumatic carditis and normal  
fetus";  
RL Clin. Immunol. Immunopathol. 87:184-192(1998).  
CC -I- SIMILARITY: TO IMMUNOGLOBULIN AND MAJOR HISTOCOMPATIBILITY COMPLEX  
DOMAIN.  
DR EMBL; AF035044; AAD56280.1; -.  
DR HSP; P01607; IRET.  
DR InterPro; IPR003006; -.  
DR InterPro; IPR003596; -.  
DR Pfam; PF00047; 1g; 1.  
DR SMART; SM00406; IGV; 1.  
FT NON\_TER 1  
FT 108  
FT 108  
SQ SEQUENCE 108 AA; 11633 MW; B7BEDC3E41FCCA37 CRC64;

Query Match 30.9%; Score 346; DB 4; Length 108;  
Best Local Similarity 65.1%; Pred. No. 2.1e-23;  
Matches 69; Conservative 16; Mismatches 19; Indels 2; Gaps 2;

OY 4 LKOSPAINSGPEKVTMTCRASSSVSSYLHWYRKGSGASPKLWYTSNLSAGVPARF 63  
DB 4 MTPSPSLASVGDVYITCRASOGI-SNLLAWYQOKPGKVPKSLTIASTLQSGVPSR 62  
64 SSGSGSTSYSLTISVEADATYTCQY-SCYRFGGKTLEIKR 108  
63 SSGSGSTDTFTLTISLQPEDVATYTCQKYNASRFTGPGKLEIKR 108

RESULT 9  
OYULB5 PRELIMINARY; PRT; 109 AA.  
ID 09UL85  
AC 09UL85;  
DT 01-MAY-2000 (TREMBLrel. 13, Created)  
DT 01-MAY-2000 (TREMBLrel. 13, Last sequence update)  
DT 01-MAR-2001 (TREMBLrel. 16, Last annotation update)  
DE MYOSIN-REACTIVE IMMUNOGLOBULIN HEAVY CHAIN VARIABLE REGION (FRAGMENT).  
OS Homo sapiens (Human).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
OC Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.  
OX NCBI\_TaxID=9606;  
RN [1]  
RP SEQUENCE FROM N.A.  
RX MEDLINE=98277139; PubMed=9614934;  
RA Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M.,  
RT "Myosin-reactive autoantibodies in rheumatic carditis and normal  
fetus";  
RL Clin. Immunol. Immunopathol. 87:184-192(1998).  
CC -I- SIMILARITY: TO IMMUNOGLOBULIN AND MAJOR HISTOCOMPATIBILITY COMPLEX  
DOMAIN.  
DR EMBL; AF035029; AAD56265.1; -.  
DR HSP; P01607; IRET.  
DR InterPro; IPR003006; -.  
DR InterPro; IPR003596; -.  
DR Pfam; PF00047; 1g; 1.  
DR SMART; SM00406; IGV; 1.  
FT NON\_TER 1  
FT 109  
FT 109  
SQ SEQUENCE 109 AA; 11761 MW; FB1E43E7C7AFACCC CRC64;

Query Match 30.8%; Score 345.5; DB 4; Length 109;  
Best Local Similarity 60.9%; Pred. No. 2.4e-23;  
Matches 67; Conservative 21; Mismatches 19; Indels 3; Gaps 2;

OY 1 ENVLTPSPAINSGPEKVTMTCRASSSVSSYLHWYRKGSGASPKLWYTSNLSAGVP 60

DB 1 E1MYTPSPATLVSPEGRATLSCMASOSISN-LAWYQOKPGCAPRLLIYGASTRATGIP 59  
OY 61 ARPSGSGSTSYSLTISVEADATYTCQYSGV--RFGGKTLEIKR 108  
DB 60 ARPSGSGSTDTFTLTISLQSEDPAITHCQYNSWPLTFGGGTVEIKR 109

RESULT 10  
OYUL79 PRELIMINARY; PRT; 108 AA.  
ID 09UL79  
AC 09UL79;  
DT 01-MAY-2000 (TREMBLrel. 13, Created)  
DT 01-MAY-2000 (TREMBLrel. 13, Last sequence update)  
DT 01-MAR-2001 (TREMBLrel. 16, Last annotation update)  
DE MYOSIN-REACTIVE IMMUNOGLOBULIN LIGHT CHAIN VARIABLE REGION (FRAGMENT).  
OS Homo sapiens (Human).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
OC Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.  
OX NCBI\_TaxID=9606;  
RN [1]  
RP SEQUENCE FROM N.A.  
RX MEDLINE=98277139; PubMed=9614934;  
RA Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M.,  
RT "Myosin-reactive autoantibodies in rheumatic carditis and normal  
fetus";  
RL Clin. Immunol. Immunopathol. 87:184-192(1998).  
CC -I- SIMILARITY: TO IMMUNOGLOBULIN AND MAJOR HISTOCOMPATIBILITY COMPLEX  
DOMAIN.  
DR EMBL; AF035035; AAD56271.1; -.  
DR HSP; P01607; IRET.  
DR InterPro; IPR003006; -.  
DR InterPro; IPR003596; -.  
DR Pfam; PF00047; 1g; 1.  
DR SMART; SM00406; IGV; 1.  
FT NON\_TER 1  
FT 108  
FT 108  
SQ SEQUENCE 108 AA; 11787 MW; DB5845F19724FB4E CRC64;

Query Match 30.6%; Score 343; DB 4; Length 108;  
Best Local Similarity 61.7%; Pred. No. 3.9e-23;  
Matches 66; Conservative 21; Mismatches 18; Indels 2; Gaps 2;

OY 3 VLTQSPAINSGPEKVTMTCRASSSVSSYLHWYRKGSGASPKLWYTSNLSAGVPAR 62  
DB 3 VMTQSPSLASTGDRVITCRMSOGI-SSYLAWYQOKGKAPELLITVAATLQSGVPSR 61  
OY 63 FSGSGSTSYSLTISVEADATYTCQYSGV-RFGGKTLEIKR 108  
DB 62 FSGSGSTDTFTLTISLQSEDPAITHCQYNSWPLTFGGGTVEIKR 108

RESULT 11  
OYUL81 PRELIMINARY; PRT; 107 AA.  
ID 09UL81  
AC 09UL81;  
DT 01-MAY-2000 (TREMBLrel. 13, Created)  
DT 01-MAY-2000 (TREMBLrel. 13, Last sequence update)  
DT 01-MAR-2001 (TREMBLrel. 16, Last annotation update)  
DE MYOSIN-REACTIVE IMMUNOGLOBULIN LIGHT CHAIN VARIABLE REGION (FRAGMENT).  
OS Homo sapiens (Human).  
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
OC Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.  
OX NCBI\_TaxID=9606;  
RN [1]  
RP SEQUENCE FROM N.A.  
RX MEDLINE=98277139; PubMed=9614934;  
RA Wu X., Liu B., Van der Merwe P.L., Kalis N.N., Berney S.M.,  
RT "Myosin-reactive autoantibodies in rheumatic carditis and normal  
fetus";



